



County of Riverside
DEPARTMENT OF ENVIRONMENTAL HEALTH

P.O. BOX 7909 • RIVERSIDE, CA 92513-7909

STEVE VAN STOCKUM, DIRECTOR

Date: March 01, 2018

System No. 3301877

Block 77 Water Company
5010 Bluff Street
Norco CA, 92860

Enclosed is Citation No. 05_63_18C_020 issued to Block 77 Water Company a public water system. Please note that there are certain deadlines associated with this Citation.

Any person who is aggrieved by a Citation issued by the Riverside County LPA may file a petition with the State Water Resources Control Board (State Water Board) for reconsideration of the Citation. Petitions must be received by the State Water Board within 30 calendar days of the issuance of the Citation. The date of issuance is the date when the Riverside County LPA mails or serves a copy of the Citation, whichever occurs first. If the 30th day falls on a Saturday, Sunday, or state holiday, the petition is due the following business day. Petitions must be received by 5:00 p.m. Information regarding filing petitions may be found at:

http://www.waterboards.ca.gov/drinking_water/programs/petitions/index.shtml

If you have any questions regarding this matter, please contact this Department at 951-955-8980

Sincerely,

Daisy E. Ciudad Real, M.P.H., R.E.H.S

Certified Mail: 70173040000085608519



County of Riverside
DEPARTMENT OF ENVIRONMENTAL HEALTH

P.O. BOX 7909 • RIVERSIDE, CA 92513-7909

STEVE VAN STOCKUM, DIRECTOR

**CITATION FOR NON COMPLIANCE – WATER SYSTEM NO. 3301877
NO. 05_63_18C_020**

Date: March 1st, 2018

Re: Block 77 Water Company
System No. 3301877

To: Block 77 Water Company
5010 Bluff Street
Norco CA 92860

VIOLATION

The Department of Environmental Health (Department), hereby issues a citation to Block 77 Water Company (Block 77) for the following violations:

1. Title 22 of the California Code of Regulations (CCR), Section 64426.1 (b) (4). Specifically, Block 77 failed the Total Coliform Maximum Contaminant Level (MCL) during the months of October, November and December 2017. For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or any repeat sample is fecal coliform-positive or E.coli-positive; or any repeat sample following a fecal coliform-positive or E.coli-positive routine sample is total coliform-positive.

CHRONOLOGY OF EVENTS

On October 31, 2017, Dwane Pianalto collected a routine sample from the distribution system (5010 Bluff St.) as per laboratory report dated November 3rd, 2017. On November 2, 2017, Mr. Pianalto was notified that the site was total coliform present and E. coli absent. On November 4, 2017, Mr. Pianalto collected 4 repeat samples in the distribution system and one from the well (5010 Bluff St., 5010 Bluff St. apartment/ residence, 4988 Bluff St and 5434 Bluff St.) On November 6, 2017, Mr. Pianalto was notified that all samples from the distribution system were present for total coliform and absent for E. coli. A Level 1 Assessment was triggered. On November 26, 2017, Mr. Pianalto collected an additional 4 samples from the distribution system (4988 Bluff St., 4988 Bluff St. Main Line, 5010 Bluff St., and 5386 Bluff St.) and one from the

well. On November 28, 2017, Mr. Pianalto was notified by the lab that all samples were total coliform present and E. coli absent. An email was sent out from this Department to Mr. Pianalto instructing him to issue an Unresolved Tier 2 public notification to all the water consumers. Mr. Pianalto provided an update to this Department on the activities that were taking place at the site to correct the violation. He stated that the well was being dosed with chlorine daily. He stated that he did not see any issues with any of the main lines, therefore we was starting to suspect an issue with the well. He stated a challenge that he was experiencing was, being able to chlorinate the system by only dosing the well, since the system does not have storage. This was making it hard to maintain a high enough chlorine residual.

On November 29, 2017, a copy of the public notification was submitted to this Department. On November 30, 2017, Mr. Pianalto collected two samples from the well. Both samples were reported by the lab to be absent for total coliform and E. coli on December 6, 2018. During the week of December 4, 2017, this Department discussed chlorination procedures with Mr. Pianalto and requested MPN counts for the well results. Mr. Pianalto collected 5 routine samples on December 11, 2017 (pressure tank, well, 5386 bluff St, 5010 Bluff St. and 4988 bluff St.). The lab notified him on December 12, 2017, that the samples at 5386 bluff, 510 Bluff and 4988 Bluff were present for total coliform and absent for E.coli. The results were 1.0 MPN/100 mL, 2 MPN/100 mL, and 1.0 MPN/100 mL, respectively. The well and the pressure tank were absent for both total coliform and E. coli.

On December 27, 2017, Mr. Pianalto collected 5 routine samples. (Well, pressure tank, 4988 Bluff St., 5010 Bluff St. and 5386 Bluff St.) The lab notified Mr. Pianalto that the samples in the distribution system were all present for total coliform and absent for E.coli. This Department contacted Mr. Pianalto by phone. He was instructed to conduct a more aggressive approach to correct the bacteriological issue. A more aggressive disinfection of the system was required. The chlorine residual needed to be high enough to disinfect but not to exceed 4ppm. This entailed a super chlorination of the well and a continuous chlorine residual in the distribution system. It was agreed that this would be conducted. Levels of chlorine in the distribution system would be monitored daily to ensure the chlorine residual did not exceed 4 ppm. A Level 2 Assessment visit was scheduled to be conducted on January 19, 2018 Mr. Pianalto stated that he would need some time to implement the plan. He would also need time to discuss with the board and to provide notification to customers. On January 10, 2018. D. Ciudad Real followed up with an email, requesting an update. Mr. Pianalto responded on January 12, 2018. He stated that the well was treated on January 11, 2018 and that the free chlorine residual was monitored and maintained at 1.5-2.0 ppm in the distribution system.

On January 19, 2019, D.Ciudad Real with the assistance of Mr. Pianalto conducted a Level 2 Assessment. Issues with the sample taps having threads were discussed with Mr. Pianalto. A report was issued to the water system on January 26, 2018 with the following comments:

There have been multiple total coliform incidents that have affected this system in the past two years. One of the suspect conditions is the well. This is an older well that was drilled in 1963. Based on the information on the well log the well does not have a sanitary seal. The well is located in a flood plain, which maybe influencing the source. Without a proper sanitary seal the integrity of the casing may also

be a factor for the recent bacteriological issues. A second concern is that the system does not currently have a backflow prevention program. This leaves the system vulnerable to cross contamination of the water supply when a resident conducts any repairs to their own plumbing and proper precautions are not taken. A third concern is that the pressure tank has never been inspected or cleaned. Improper maintenance on the storage tank may also impact the water supply. As previously discussed during the inspection conducted in May of 2017, the system needs to conduct research in how to secure a second source of water that would be used in an event of an emergency. A response to the level 2 assessment has not yet been received.

On January 19, 2018, after free chlorine residual was 0 ppm. Mr. Pianalto collected 5 repeat samples at the same locations previously sampled. All samples were absent for total coliform and E.coli with the exception of 5010 Bluff St. Notification from the lab was provided on January 20, 2018. Mr. Pianalto was concerned because he took reference samples and submitted them to another lab. Those results were all reported absent for both total coliform and E.coli. He was instructed to resample 5010 Bluff St. He stated he would continue disinfecting the distribution system and he would collect another repeat sample at 5010 Bluff St. On February 19, 2019, Mr. Pianalto collected a repeat sample at 5010 Bluff St. This sample was reported absent for total coliform and E.coli on February 22, 2018, by the lab. Mr. Pianalto collected 5 routine samples on February 22, 2018. All samples were reported absent for total coliform and E.coli on February 6, 2018. The system has returned to compliance.

DIRECTIVES

All consumers served by this water system must be notified of this violation, as required in Section 64426.1 (c). A Tier 2 Public Notice must be delivered to all customers serviced by the water system within 30 days after learning of the occurrence of the violation. An unresolved notice was issued on November 29, 2017. A resolved notice must be issued at this time.

Your public water system must be maintained so that the total coliform MCL is not violated. Consult with this Department, or other qualified water professional, to correct and/or prevent reoccurrence of this violation.

The required coliform bacteria follow-up sampling to an unsatisfactory routine sample is described below. This must be completed each and every time that a routine coliform bacteria sampling is unsatisfactory.

1. Within 24 hours of being notified of an unsatisfactory coliform bacteria result by your laboratory, collect four resamples. If you are unable to collect the resamples within 24 hours, contact this Department. Collect the resamples at the sample tap where the unsatisfactory sample was taken, an upstream sample within 5 service connections of the unsatisfactory site, a downstream sample within 5 service connections of the unsatisfactory site, and a sample at the source(s) of water for the distribution system. All active wells must be sampled. If the direction of flow in the distribution system is not known, or if the distribution system is quite small, contact this Department for guidance.
2. If any of the resamples are unsatisfactory, additional sets of resamples must be taken. Contact this Department for guidance.

3. In the month following the unsatisfactory sample collect five coliform bacteria samples. Samples were collected February 23, 2018. All samples reported absent for bacteria on February 26, 2018

FURTHER ENFORCEMENT ACTION

Due to the frequency of bacteriological present results that have been experienced by this system, permanent chlorination may be required with future violations. As discussed this system needs to secure a secondary source of water.

Failure to comply with this notice and/or failure to comply with Title 22 of the California Code of Regulations may result in assessment of administrative penalties. This Department does not waive any further enforcement action by issuance of this citation.

If you have any questions, please contact Daisy Ciudad Real at (951) 955-8980.

A handwritten signature in black ink that reads "Daisy E. Ciudad Real". The signature is written in a cursive, flowing style.

Daisy Ciudad Real, MPH, REHS

CERTIFIED MAIL: 70173040000085608519